Appendix table 4-34 Federal obligations for research, by agency and S&E field: FY 2009

Agency   Agency   Agency   Agency   Environmental   Environmental   Environmental   Environmental   Sociences   Hysikal sciences   Hysikal sciences   Hysikal sciences   Sociences   Hysikal sciences   Hysikal sciences   Sociences   Hysikal sciences   Hysikal sciences   Sociences   Hysikal sciences   Hysikal Hysika		Mathematics and									
All agencies   Current Sthrousands   Curre			Environmental					Social	Other		
Department of Agriculture   Separtment of Defense   Separtment of Health and Human Services   Separtme	Agency	obligations	sciences	Life sciences	sciences	Physical sciences	Psychology	sciences	sciences, nec	Engineering	
Department of Department of Agriculture         2,077,954         19,339         1,737,019         9,608         105,838         0         160,130         0         46,019           Department of Commerce         959,104         316,256         115,249         84,502         204,357         615         19,104         18,313         200,708           Department of Energy         7,188,114         390,476         923,807         191,224         832,854         69,367         389,21         144,988         3,492,833           Department of Energy         7,188,114         373,342         329,915         1,002,197         2,612,466         0         0         375,244         24,75,692           Department of Hought and Human Services         35,489,910         344,803         27,92,676         49,793         42,679         10,941,99         39,3782         2,579,461         1,754,122           Department of Hought and Human Services         35,489,910         347,49         91,467         42,679         10,941,99         33,782         25,794,61         1,754,122           Department of Hought and Human Services         36,89,910         347,89         91,467         42,679         1,647         0         6         62,681         7,511         1,992         36	_										
Department of Agriculture	All agencies	63,708,807	3,751,416	33,267,736	3,612,518	5,823,381	2,086,663	1,159,294	3,713,351	10,294,449	
Department of Commerce         99,104         316,256         115,249         84,502         204,357         615         19,104         18,313         200,708           Department of Defense         6,806,471         390,476         923,807         913,224         832,854         69,367         38,921         144,988         3,492,833           Department of Energy         7,188,114         373,426         349,151         1,002,197         2,612,466         0         0         375,244         2,475,679           Department of Hall and Human Services         35,489,910         548,483         27,994,67         180,02         266,785         194,199         29,382         2,575,446         1,754,729           Department of Homeland Security         347,202         4,249         91,496         49,293         42,679         10,40         18,041         21,16         109,288           Department of Homeland Security         347,202         4,249         191,496         49,293         42,679         10,40         18,041         21,16         109,288           Department of Homeland Security         347,202         6         5,980         25,408         3,053         0         36,207         1,81         4,45         0         0         0         0 </td <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	•										
Department of Defense         6,806,471         390,876         923,807         913,224         832,854         69,367         38,921         144,988         3,492,833           Department of Education         202,641         0         12,486         0         0         0         178,679         0         375,244         2,475,679           Department of Fenery         7,188,114         373,426         349,151         1,002,197         2,612,666         0         0         257,9461         1,754,172           Department of Health and Human Services         35,489,910         544,843         27,979,657         187,062         296,785         1,904,199         293,782         2,579,461         1,754,122         109,888         100,888<								•			
Department of Education         202,411         30         12,486         0         0         11,183         172,621         0         6,535           Department of Energy         7,188,114         373,246         341,511         1,002,197         2,612,466         0         0         375,244         2,475,629           Department of Health and Human Services         35,899,190         544,843         27,929,675         187,062         296,785         1,904,199         293,782         2,579,401         1,754,122           Department of Hemishand Security         347,202         4,249         91,496         49,293         42,679         10,940         18,041         21,216         109,288           Department of Interior         657,608         421,941         210,350         8,970         1,647         0         6,692         26,88         7,511           Department of Labor         29,198         0         0         0         0         0         24,740         4,458         0           Department of Tital Labor         3,724         0         0         0         0         0         0         4,740         4,458         0           Department of State         3,724         3,4573         36,249         3,4573	Department of Commerce	959,104	316,256	·	84,502	204,357	615	19,104		200,708	
Department of Energy         7,188,114         373,426         34,915         1,002,197         2,612,466         0         0         375,244         2,475,629           Department of Headinand Human Services         35,489,910         544,843         27,929,657         187,062         296,785         1,904,199         293,782         2,579,461         1,754,122           Department of Housing and Urban Development         11,651         0         0         0         0         0         0         0         0         11,589         3.6         2.6           Department of Interior         657,608         421,941         210,350         8,970         1,647         0         6,922         208         7,511           Department of Justice         80,864         0         5,980         25,408         3,053         30         36,770         0         9,552           Department of Labor         29,198         0         0         0         0         0         3,724         0         0         0         3,724         0         0         0         3,724         0         0         0         0         3,724         0         0         0         0         3,724         0         0         0	·								144,988		
Department of Health and Human Services   35,489 yr   0	Department of Education	202,641	0	12,486	0	0	11,183	172,621	0	6,351	
Department of Howeland Security   347,202   4,249   91,496   49,293   42,679   10,940   18,041   21,216   109,288   20,248   20,248   21,941   210,350   8,970   1,647   0   6,922   268   7,511   20,247   20,247   21,2	1 03	7,188,114	373,426	349,151	1,002,197	2,612,466	0	0	375,244	2,475,629	
Department of Housing and Urban Development   11,651   0   0   0   0   0   0   0   0   11,589   36   26	Department of Health and Human Services	35,489,910	544,843	27,929,657		296,785		293,782	2,579,461		
Department of Interior         657,608         421,941         210,350         8,970         1,647         0         6,922         268         7,511           Department of Justice         80,864         0         5,980         25,408         3,053         0         36,870         0         9,552           Department of Labor         29,198         0         0         0         0         0         24,740         4,458         0           Department of State         3,724         0         0         0         0         0         3,724         0         0           Department of Transportation         586,739         34,573         36,249         34,056         95         18,727         11,724         44,269         407,046           Department of Veterans Affairs         477,300         0         0         0         2,134         0         0         64,908         0           Oberatment of Veterans Affairs         477,300         0         0         0         0         54,263         0         0         0         21,977           Other agencies         48         477,511         40,000         0         0         0         0         0         0         0 <td>Department of Homeland Security</td> <td>347,202</td> <td>4,249</td> <td>91,496</td> <td>49,293</td> <td>42,679</td> <td>10,940</td> <td>18,041</td> <td>21,216</td> <td>109,288</td>	Department of Homeland Security	347,202	4,249	91,496	49,293	42,679	10,940	18,041	21,216	109,288	
Department of Justice	Department of Housing and Urban Development	11,651	0	0	0	0	0	11,589	36	26	
Department of Labor   29,198   0   0   0   0   0   24,740   4,458   0   0   0   0   0   0   3,724   0   0   0   0   0   0   0   0   0	Department of Interior	657,608	421,941	210,350	8,970	1,647	0	6,922	268	7,511	
Department of State         3,724         0         0         0         0         3,724         0         0           Department of Transportation         586,739         34,573         36,249         34,056         95         18,727         11,724         44,269         407,046           Department of Transportation         67,042         0         0         0         2,134         0         0         64,908         0           Department of Veterans Affairs         477,300         0         401,060         0         0         52,63         0         0         21,977           Other agencies         7         477,300         3,212         140,976         0         0         0         10,660         5,881         0           Appalachian Regional Commission         991         0         0         0         0         0         991         0         0         0           Environmental Protection Agency         468,074         162,648         219,247         11,321         12,991         0         9,910         0         991         0         9,952         1,950         0         1,884         0         3,420         9         1,841         0         3,420         9 </td <td>Department of Justice</td> <td>80,864</td> <td>0</td> <td>5,980</td> <td>25,408</td> <td>3,053</td> <td>0</td> <td>36,870</td> <td>0</td> <td>9,552</td>	Department of Justice	80,864	0	5,980	25,408	3,053	0	36,870	0	9,552	
Department of Transportation   586,739   34,573   36,249   34,056   95   18,727   11,724   44,269   407,046   Department of the Treasury   67,042   0   0   0   0   2,134   0   0   0   64,908   0   Department of Veterans Affairs   477,300   0   401,060   0   0   54,263   0   0   21,977      Other agencies   Agency for International Development   160,129   3,212   140,976   0   0   0   0   10,060   5,881   0   0   0   0   0   0   0   0   0	Department of Labor	29,198	0	0	0	0	0	24,740	4,458	0	
Department of the Treasury   67,042   0   0   0   2,134   0   0   64,908   0   0   0   0   0   0   0   0   0	Department of State	3,724	0	0	0	0	0	3,724	0	0	
Department of Veterans Affairs         477,300         0         401,060         0         54,263         0         0         21,977           Other agencies         Agency for International Development         160,129         3,212         140,976         0         0         0         10,060         5,881         0           Appalachian Regional Commission         991         0         0         0         0         991         0         0           Environmental Protection Agency         468,074         162,648         219,247         11,321         12,901         0         2,300         0         59,657           Federal Communications Commission         6,879         0         0         525         1,050         0         1,884         0         3,420           Federal Trade Commission         2,389         0         0         0         0         0         2,389         0         0         0         2,389         0         0         0         2,389         0         0         0         0         2,389         0         0         0         4,83         0         0         0         0         2,389         0         0         0         0         3,420         0<	Department of Transportation	586,739	34,573	36,249	34,056	95	18,727	11,724	44,269	407,046	
Other agencies         Agency for International Development         160,129         3,212         140,976         0         0         0         10,060         5,881         0           Appalachian Regional Commission         991         0         0         0         0         991         0         0           Environmental Protection Agency         468,074         162,648         219,247         11,321         12,901         0         2,300         0         59,657           Federal Communications Commission         6,879         0         0         525         1,050         0         1,884         0         3,420           Federal Trade Commission         2,389         0         0         0         0         0         2,389         0         0         0         2,889         0         0         0         2,889         0         0         0         2,889         0         0         0         2,889         0         0         0         2,889         0         0         0         2,889         0         0         0         2,889         0         0         0         0         0         0         0         0         0         0         0         0	Department of the Treasury	67,042	0	0	0	2,134	0	0	64,908	0	
Agency for International Development         160,129         3,212         140,976         0         0         0         10,060         5,881         0           Appalachian Regional Commission         991         0         0         0         0         991         0         0           Environmental Protection Agency         468,074         162,648         219,247         11,321         12,901         0         2,300         0         59,657           Federal Communications Commission         6,879         0         0         525         1,050         0         1,884         0         3,420           Federal Trade Commission         2,389         0         0         0         0         2,389         0         0         2,389         0         0         0         2,389         0         0         0         2,389         0         0         0         2,389         0         0         0         2,389         0         0         0         2,389         0         0         0         0         2,389         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <td>Department of Veterans Affairs</td> <td>477,300</td> <td>0</td> <td>401,060</td> <td>0</td> <td>0</td> <td>54,263</td> <td>0</td> <td>0</td> <td>21,977</td>	Department of Veterans Affairs	477,300	0	401,060	0	0	54,263	0	0	21,977	
Appalachian Regional Commission         991         0         0         0         0         991         0         0           Environmental Protection Agency         468,074         162,648         219,247         11,321         12,901         0         2,300         0         59,657           Federal Communications Commission         6,879         0         0         525         1,050         0         1,884         0         3,420           Federal Trade Commission         2,389         0         0         0         0         0         2,389         0         0           Library of Congress         483         0         0         0         483         0         0         0         2,389         0         0           National Acronautics and Space Administration         1,703,453         395,168         96,740         28,855         468,501         6,316         314         87,096         620,463           National Archives and Records Administration         4,620         50         0         4,500         70         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <td< td=""><td>Other agencies</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Other agencies										
Environmental Protection Agency   468,074   162,648   219,247   11,321   12,901   0   2,300   0   59,657     Federal Communications Commission   6,879   0   0   0   525   1,050   0   1,884   0   3,420     Federal Trade Commission   2,389   0   0   0   0   0   0   2,389   0   0     Library of Congress   483   0   0   0   483   0   0   0   0     National Aeronautics and Space Administration   1,703,453   395,168   96,740   28,855   468,501   6,316   314   87,096   620,463     National Archives and Records Administration   4,620   50   0   4,500   70   0   0   0   0     National Science Foundation   6,095,193   1,078,815   933,678   1,252,996   1,181,285   11,053   252,761   365,957   1,018,649     Nuclear Regulatory Commission   61,198   0   0   0   0   0   0   0   0   0     Social Security Administration   6,7878   0   64,592   0   57,182   0   22,550   1,257   0     Social Security Administration   6,7878   0   0   0   0   0   0   0   0   0     All agencies   100.0   5.9   52.2   5.7   9.1   3.3   1.8   5.8   16.2   1.62    **All agencies   100.0   5.9   52.2   5.7   9.1   3.3   1.8   5.8   16.2    **This provise in the protection of the protec	Agency for International Development	160,129	3,212	140,976	0	0	0	10,060	5,881	0	
Federal Communications Commission         6,879         0         0         525         1,050         0         1,884         0         3,420           Federal Trade Commission         2,389         0         0         0         0         0         2,389         0         0           Library of Congress         483         0         0         0         483         0         0         0         0           National Aeronautics and Space Administration         1,703,453         395,168         96,740         28,855         468,501         6,316         314         87,096         620,463           National Aeronautics and Space Administration         4,620         50         0         4,500         70         0         0         0         0           National Aeronautics and Space Administration         4,620         50         0         4,500         70         1,188,649         0         0         0         0         0         0 </td <td>Appalachian Regional Commission</td> <td>991</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>991</td> <td>0</td> <td>0</td>	Appalachian Regional Commission	991	0	0	0	0	0	991	0	0	
Federal Trade Commission   2,389   0   0   0   0   0   0   2,389   0   0   0   0   0   0   0   0   0	Environmental Protection Agency	468,074	162,648	219,247	11,321	12,901	0	2,300	0	59,657	
Library of Congress         483         0         0         483         0	Federal Communications Commission	6,879	0	0	525	1,050	0	1,884	0	3,420	
National Aeronautics and Space Administration         1,703,453         395,168         96,740         28,855         468,501         6,316         314         87,096         620,463           National Archives and Records Administration         4,620         50         0         4,500         70         0         0         0         0           National Archives and Records Administration         6,095,193         1,078,815         933,678         1,252,996         1,181,285         11,053         252,761         365,957         1,018,649           Nuclear Regulatory Commission         61,198         0	Federal Trade Commission	2,389	0	0	0	0	0	2,389	0	0	
National Archives and Records Administration         4,620         50         0         4,500         70         0         0         0         0           National Science Foundation         6,095,193         1,078,815         933,678         1,252,996         1,181,285         11,053         252,761         365,957         1,018,649           Nuclear Regulatory Commission         61,198         0         0         0         0         0         0         0         0         1,257         0           Smithsonian Institution         152,000         6,419         64,592         0         57,182         0         22,550         1,257         0           Social Security Administration         67,878         0         0         0         0         0         67,878         0         0           Share by field, percent           All agencies         100.0         5.9         52.2         5.7         9.1         3.3         1.8         5.8         16.2	Library of Congress	483	0	0	0	483	0	0	0	0	
National Archives and Records Administration         4,620         50         0         4,500         70         0         0         0         0           National Science Foundation         6,095,193         1,078,815         933,678         1,252,996         1,181,285         11,053         252,761         365,957         1,018,649           Nuclear Regulatory Commission         61,198         0         0         0         0         0         0         0         0         1,257         0           Smithsonian Institution         152,000         6,419         64,592         0         57,182         0         22,550         1,257         0           Social Security Administration         67,878         0         0         0         0         0         67,878         0         0           Share by field, percent           All agencies         100.0         5.9         52.2         5.7         9.1         3.3         1.8         5.8         16.2	National Aeronautics and Space Administration	1,703,453	395,168	96,740	28,855	468,501	6,316	314	87,096	620,463	
Nuclear Regulatory Commission         61,198         0         0         0         0         0         0         0         61,198           Smithsonian Institution         152,000         6,419         64,592         0         57,182         0         22,550         1,257         0           Social Security Administration         67,878         0         0         0         0         0         67,878         0         0           Share by field, percent           All agencies         100.0         5.9         52.2         5.7         9.1         3.3         1.8         5.8         16.2	National Archives and Records Administration	4,620	50	0	4,500	70	0	0	0	0	
Smithsonian Institution         152,000         6,419         64,592         0         57,182         0         22,550         1,257         0           Social Security Administration         67,878         0         0         0         0         0         67,878         0         0           Share by field, percent           All agencies         100.0         5.9         52.2         5.7         9.1         3.3         1.8         5.8         16.2	National Science Foundation	6,095,193	1,078,815	933,678	1,252,996	1,181,285	11,053	252,761	365,957	1,018,649	
Smithsonian Institution         152,000         6,419         64,592         0         57,182         0         22,550         1,257         0           Social Security Administration         67,878         0         0         0         0         0         67,878         0         0           Share by field, percent           All agencies         100.0         5.9         52.2         5.7         9.1         3.3         1.8         5.8         16.2	Nuclear Regulatory Commission	61,198	0	0	0	0	0	0	0	61,198	
Share by field, percent  All agencies 100.0 5.9 52.2 5.7 9.1 3.3 1.8 5.8 16.2		152,000	6,419	64,592	0	57,182	0	22,550	1,257	0	
All agencies 100.0 5.9 52.2 5.7 9.1 3.3 1.8 5.8 16.2	Social Security Administration	67,878	0	0	0	0	0	67,878	0	0	
v .	-	Share by field, percent									
v .	All agencies	100.0	5.9	52.2			3.3	1.8	5.8	16.2	
Doparamonio	Departments										
Department of Agriculture 100.0 0.9 83.6 0.5 5.1 0.0 7.7 0.0 2.2	•	100.0	0.9	83.6	0.5	5.1	0.0	7.7	0.0	2.2	
Department of Commerce 100.0 33.0 12.0 8.8 21.3 0.1 2.0 1.9 20.9	Department of Commerce	100.0	33.0		8.8	21.3	0.1	2.0	1.9	20.9	
Department of Defense 100.0 5.7 13.6 13.4 12.2 1.0 0.6 2.1 51.3	•	100.0		13.6	13.4	12.2	1.0	0.6	2.1	51.3	
Department of Education 100.0 0.0 6.2 0.0 0.0 5.5 85.2 0.0 3.1	•										
Department of Energy 100.0 5.2 4.9 13.9 36.3 0.0 0.0 5.2 34.4	•										
Department of Health and Human Services 100.0 1.5 78.7 0.5 0.8 5.4 0.8 7.3 4.9											
Department of Homeland Security 100.0 1.2 26.4 14.2 12.3 3.2 5.2 6.1 31.5	•	100.0	1.2	26.4	14.2	12.3	3.2	5.2	6.1	31.5	

Appendix table 4-34 Federal obligations for research, by agency and S&E field: FY 2009

	Mathematics and								
	All federal	Environmental		computer			Social	Other	
Agency	obligations	sciences	Life sciences	sciences	Physical sciences	Psychology	sciences	sciences, nec	Engineering
Department of Housing and Urban Development	100.0	0.0	0.0	0.0	0.0	0.0	99.5	0.3	0.2
Department of Interior	100.0	64.2	32.0	1.4	0.3	0.0	1.1	0.0	1.1
Department of Justice	100.0	0.0	7.4	31.4	3.8	0.0	45.6	0.0	11.8
Department of Labor	100.0	0.0	0.0	0.0	0.0	0.0	84.7	15.3	0.0
Department of State	100.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
Department of Transportation	100.0	5.9	6.2	5.8	0.0	3.2	2.0	7.5	69.4
Department of the Treasury	100.0	0.0	0.0	0.0	3.2	0.0	0.0	96.8	0.0
Department of Veterans Affairs	100.0	0.0	84.0	0.0	0.0	11.4	0.0	0.0	4.6
Other agencies									
Agency for International Development	100.0	2.0	88.0	0.0	0.0	0.0	6.3	3.7	0.0
Appalachian Regional Commission	100.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
Environmental Protection Agency	100.0	34.7	46.8	2.4	2.8	0.0	0.5	0.0	12.7
Federal Communications Commission	100.0	0.0	0.0	7.6	15.3	0.0	27.4	0.0	49.7
Federal Trade Commission	100.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
Library of Congress	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	100.0	23.2	5.7	1.7	27.5	0.4	0.0	5.1	36.4
National Archives and Records Administration	100.0	1.1	0.0	97.4	1.5	0.0	0.0	0.0	0.0
National Science Foundation	100.0	17.7	15.3	20.6	19.4	0.2	4.1	6.0	16.7
Nuclear Regulatory Commission	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Smithsonian Institution	100.0	4.2	42.5	0.0	37.6	0.0	14.8	0.8	0.0
Social Security Administration	100.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0

nec = not elsewhere classified

NOTES: Research includes basic research and applied research. Includes obligations from the additional federal R&D funding appropriated by the American Recovery and Reinvestment Act of 2009.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Federal Funds for Research and Development: FY 2009–11

Science and Engineering Indicators 2012